

Fill in the Blanks

1. The branch of engineering that deals with the planning and control of traffic is called _____ **Engineering**.
Answer: Traffic
2. The number of vehicles passing a point in a given time is called **Traffic** _____.
Answer: Volume
3. The average number of vehicles occupying one kilometer of road is called traffic _____.
Answer: Density
4. The relationship between traffic flow, speed, and density is represented by the equation $q = k \times$ _____.
Answer: v
5. The maximum number of vehicles that can pass a point in one hour is called road _____.
Answer: Capacity
6. The study conducted to measure vehicle speeds at a specific location is called a _____ **Speed Study**.
Answer: Spot
7. The speed maintained by a vehicle while it is moving is called **Running** _____.
Answer: Speed
8. The ratio of hourly traffic volume to four times the highest 15-minute traffic volume is called the **Peak Hour** _____ (**PHF**).
Answer: Factor
9. The unit used to express mixed traffic volume is _____ **Car Unit (PCU)**.
Answer: Passenger
10. The colored light used to stop vehicles at an intersection is _____.
Answer: Red
11. The colored light indicating that vehicles may proceed is _____.
Answer: Green
12. The yellow signal indicates drivers should _____ or prepare to stop.
Answer: slow down
13. The time taken to complete one sequence of traffic signal indications is called the **Signal** _____.
Answer: Cycle
14. The time during which a traffic signal remains green is called the **Green** _____.
Answer: Time
15. The study of accidents to determine their causes is called **Accident** _____.
Answer: Analysis
16. Parking provided along the edge of the roadway is called _____-street **parking**.
Answer: On

17. Parking provided away from the roadway is called _____-street parking.
Answer: Off
18. Traffic signs are classified into **Regulatory, Warning, and** _____ signs.
Answer: Informatory
19. Zebra crossings are provided for the safety of _____.
Answer: Pedestrians
20. The percentage of time a parking space is occupied is called parking _____.
Answer: Efficiency
21. Road markings help in regulating and _____ traffic.
Answer: Guiding

1. Traffic engineering is mainly concerned with:

- A) Building construction
- B) Water supply
- C) **Safe and efficient movement of traffic**
- D) Soil investigation

Answer: C

2. Traffic volume is defined as:

- A) Number of pedestrians crossing a road
- B) **Number of vehicles passing a point in a given time**
- C) Width of a road
- D) Vehicle speed

Answer: B

3. Traffic density is measured in:

- A) km/h
- B) m/s
- C) **Vehicles per kilometre (veh/km)**
- D) Vehicles per day

Answer: C

4. The basic relationship between traffic flow (q), speed (v), and density (k) is:

- A) $q = v/k$
- B) $q = k/v$
- C) **$q = k \times v$**
- D) $q = k + v$

Answer: C

5. The unit used for mixed traffic volume is:

- A) km/h
- B) **Passenger Car Unit (PCU)**
- C) m/s
- D) Tonnes

Answer: B

6. The study used to determine vehicle speed at a particular location is called:

- A) Parking study
- B) Accident study
- C) **Spot speed study**
- D) Origin–destination study

Answer: C

7. Peak Hour Factor (PHF) is used to measure:

- A) Road width
- B) Pavement thickness
- C) **Variation of traffic flow during the peak hour**
- D) Vehicle weight

Answer: C

8. Which colour traffic signal indicates "Stop"?

- A) Green
- B) Yellow
- C) Blue
- D) **Red**

Answer: D

9. Which colour traffic signal indicates "Go"?

- A) Yellow
- B) Red
- C) **Green**
- D) White

Answer: C

10. The yellow signal indicates:

- A) Increase speed
- B) Turn left
- C) **Prepare to stop or proceed with caution**
- D) Parking allowed

Answer: C

11. Zebra crossings are provided for:

- A) Buses
- B) Trucks
- C) Motorcycles
- D) **Pedestrians**

Answer: D

12. Parking along the edge of the roadway is called:

- A) Off-street parking
- B) Garage parking
- C) **On-street parking**
- D) Basement parking

Answer: C

13. Parking away from the roadway is known as:

- A) Parallel parking
- B) On-street parking
- C) Angle parking
- D) **Off-street parking**

Answer: D

14. Which type of traffic sign gives legal instructions?

- A) Warning sign
- B) Informatory sign
- C) **Regulatory sign**
- D) Guide sign

Answer: C

15. Which type of sign warns drivers about road conditions ahead?

- A) Regulatory sign
- B) Informatory sign
- C) **Warning sign**
- D) Direction sign

Answer: C

16. Traffic signals are primarily installed to:

- A) Increase vehicle speed
- B) **Control traffic at intersections**
- C) Reduce road width
- D) Increase parking space

Answer: B

17. The maximum number of vehicles that can pass a point on a road in one hour is called:

- A) Traffic density
- B) Traffic volume
- C) **Road capacity**
- D) Traffic speed

Answer: C

18. Accident studies help in:

- A) Increasing road width
- B) **Identifying the causes of accidents**
- C) Designing buildings
- D) Measuring rainfall

Answer: B

19. The standard unit for traffic flow is:

- A) km/h
- B) m/s
- C) **Vehicles per hour (veh/hr)**
- D) Vehicles per kilometre

Answer: C

20. Which of the following is not a traffic study?

- A) Speed study
- B) Parking study
- C) Accident study
- D) **Soil bearing capacity study**

Answer: D